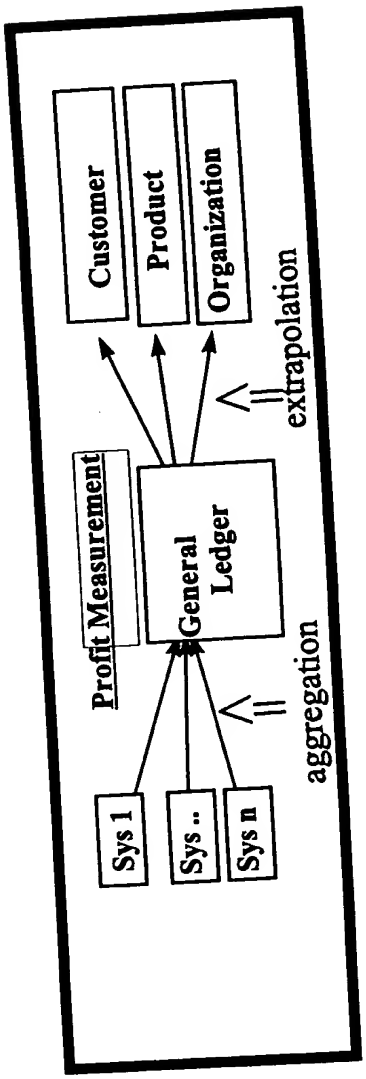
Customer
Product
Organization
extrapolation
Profit Measurement
General Ledger
aggregation
Sys 1
Sys ..
Sys n

Fig. 1

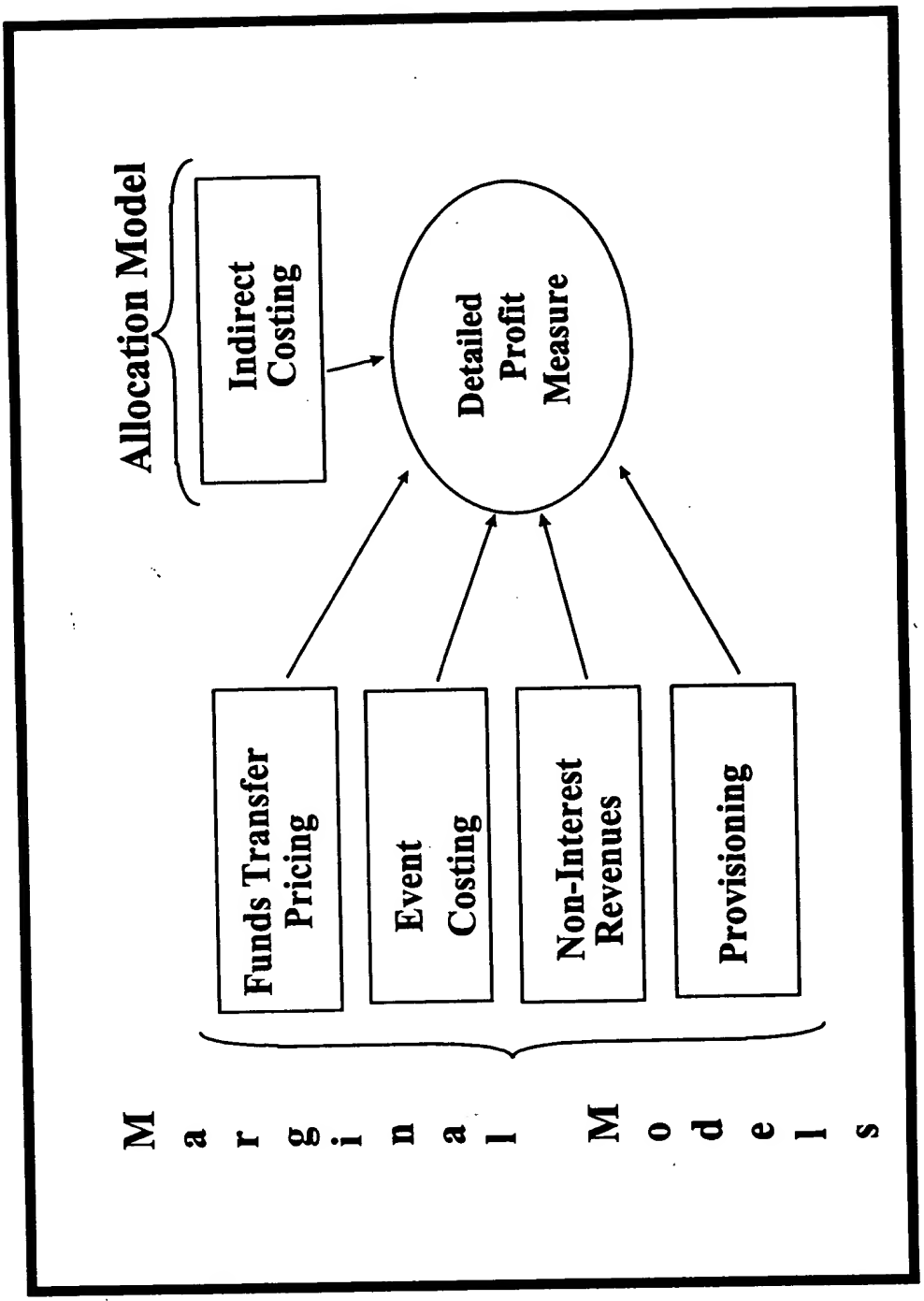
Allocation Model
Indirect Costing
Detailed Profit Measure
Funds Transfer Pricing
Event Costing
Non-Interest Revenues
Provisioning
Marginal Models

Fig. 2

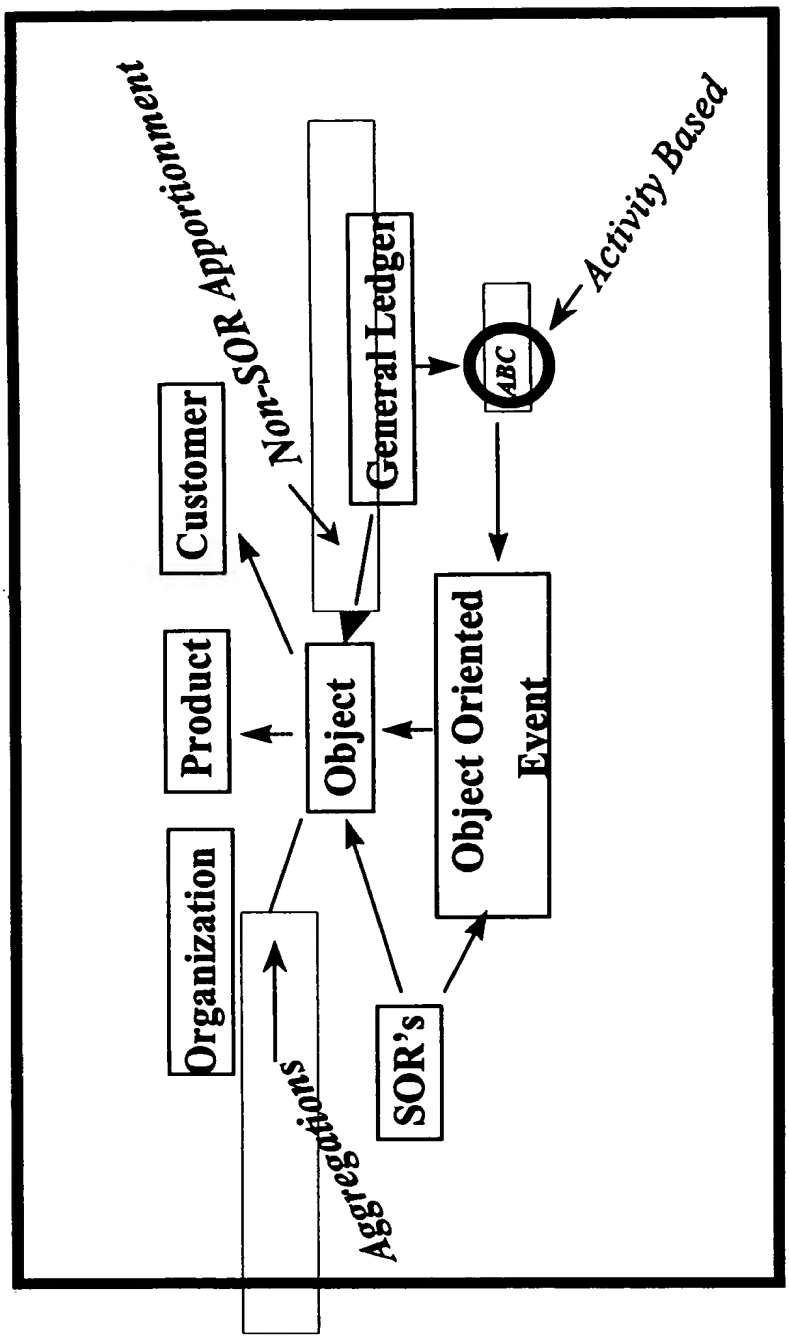
Non-SOR Apportionment
Activity Based
Customer
General Ledger
ABC
Product
Object
Object Oriented Event
Organization
SOR's
Aggregations

Fig. 3

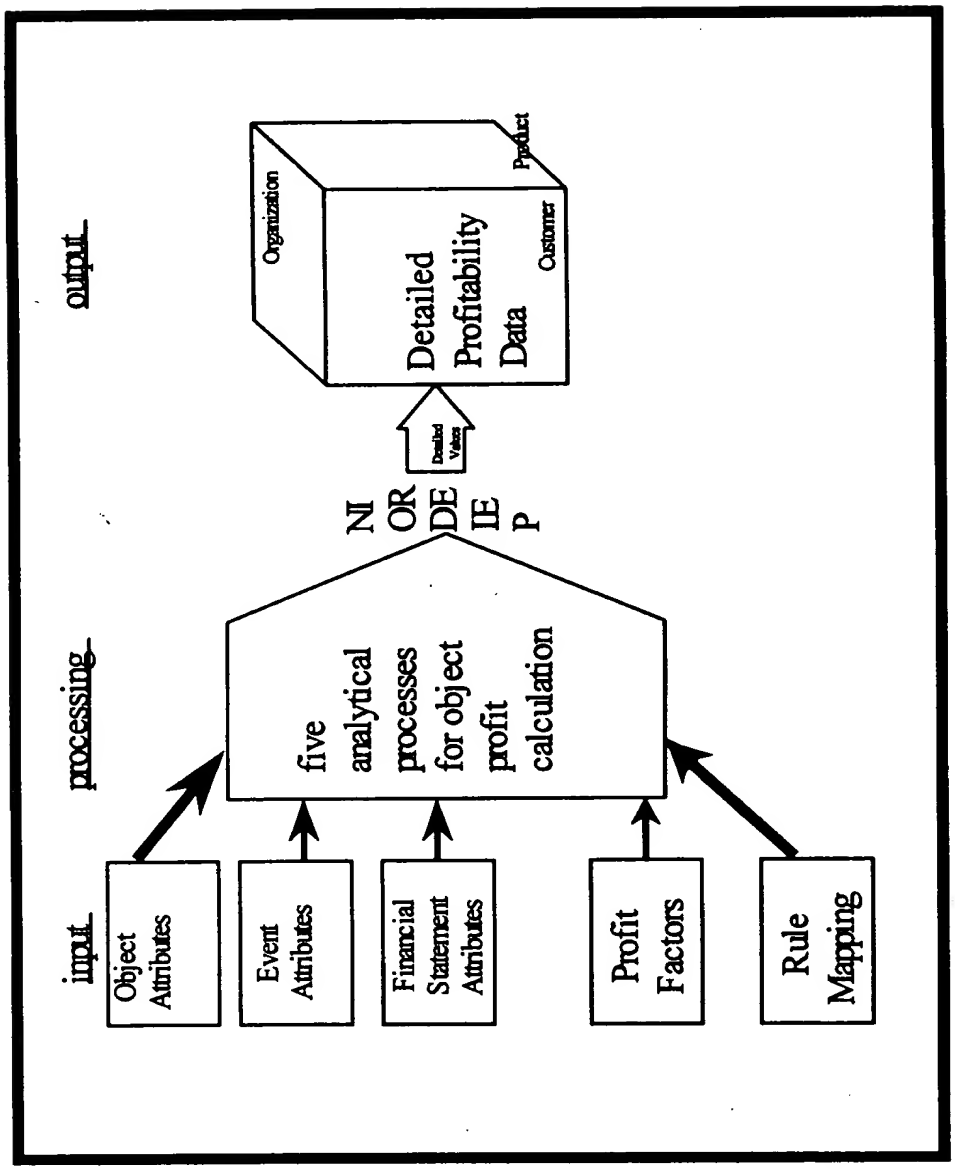
input
Object Attributes
Event Attributes
Financial Statement Attributes
Profit Factors
Rule Mapping
processing
five analytical processes for object profit calculation
output
Detailed Profitability Data
Organization
Product
Customer

Fig. 4

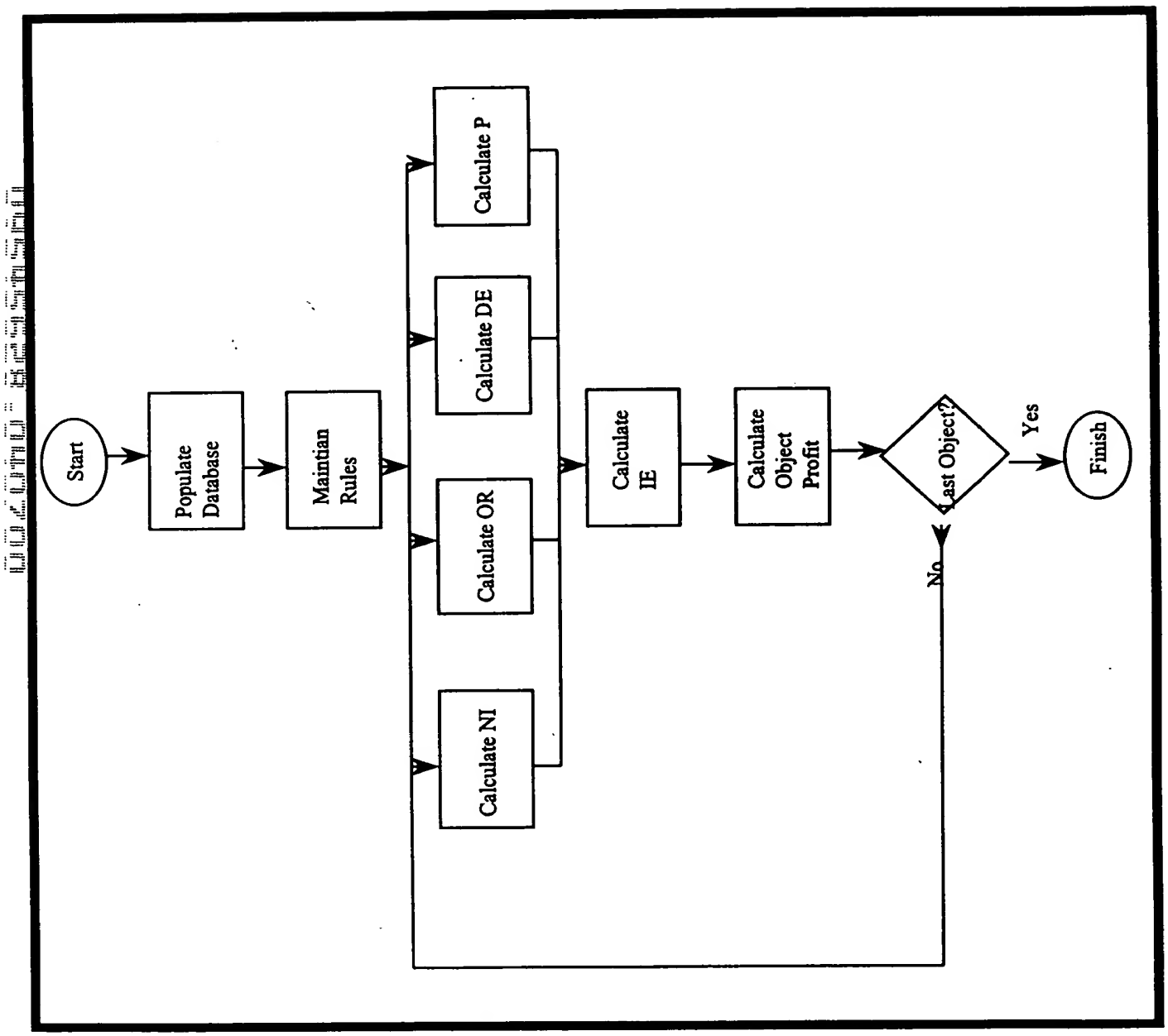
Start
Populate Database
Maintian Rules
Calculate P
Calculate DE
Calculate OR
Calculate NI
Calculate IE
Calculate Object Profit
Last Object?
Yes
No
Finish

Fig. 5

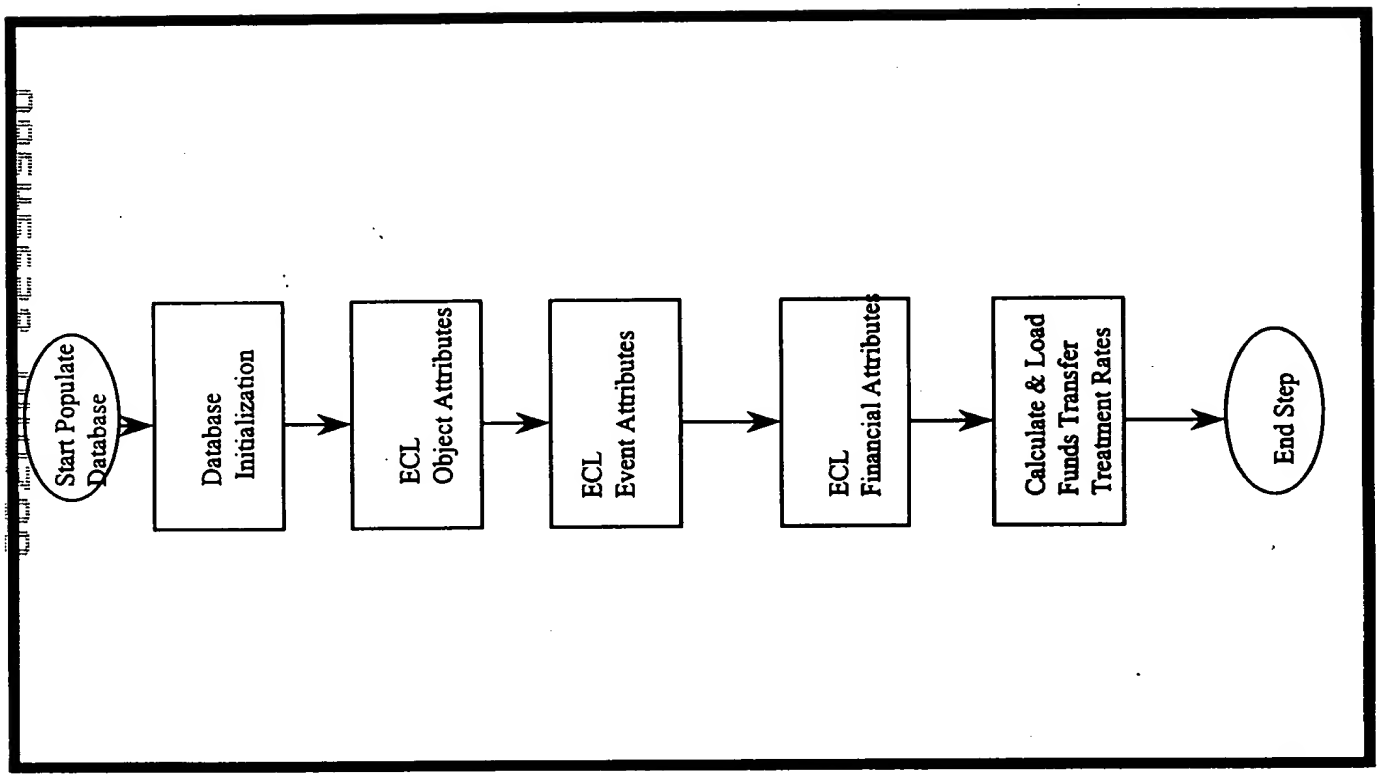
Start Populate Database
Database Initialization
ECL Object Attributes
ECL Event Attributes
ECL Financial Attributes
Calculate & Load Funds Transfer Treatment Rates
End Step

Fig. 6

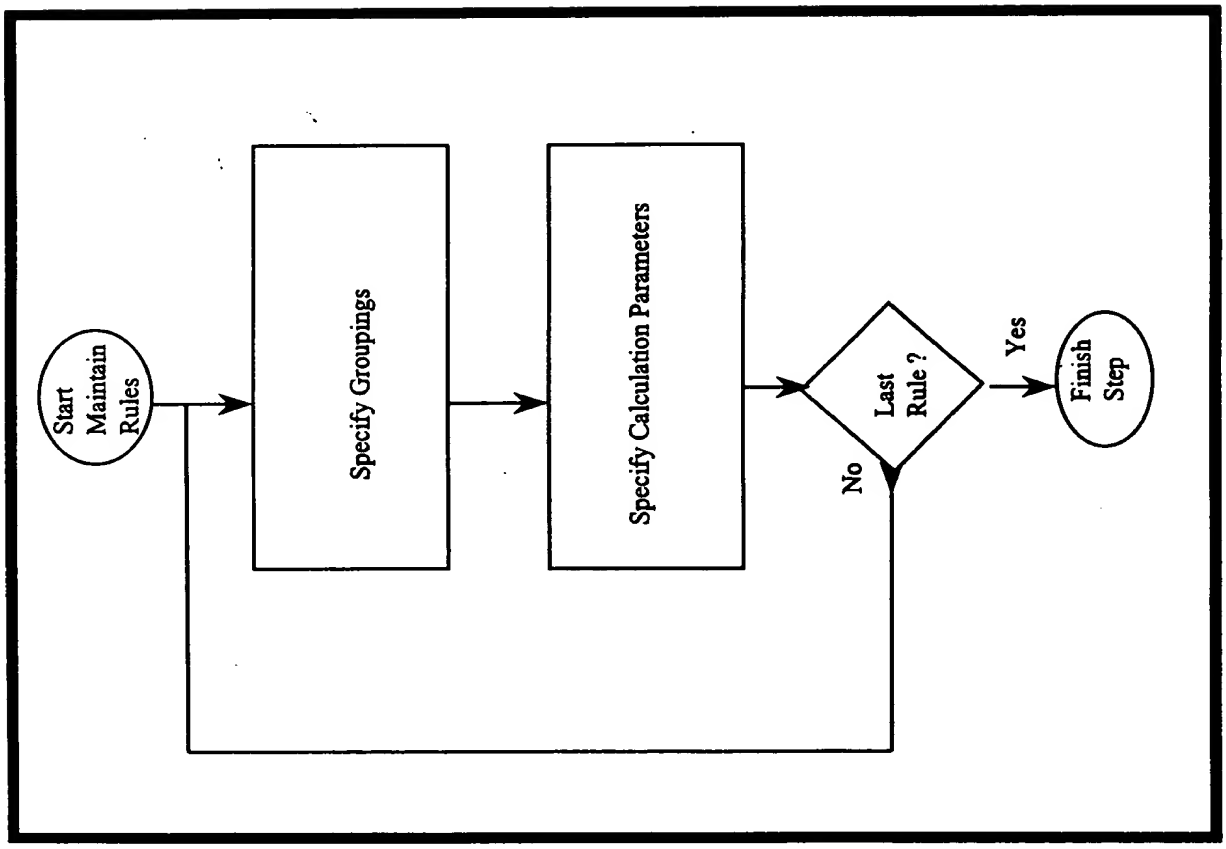
Start Maintain Rules
Specify Groupings
Specify Calculation Parameters
Last Rule ?
No
Yes
Finish Step

Fig. 7

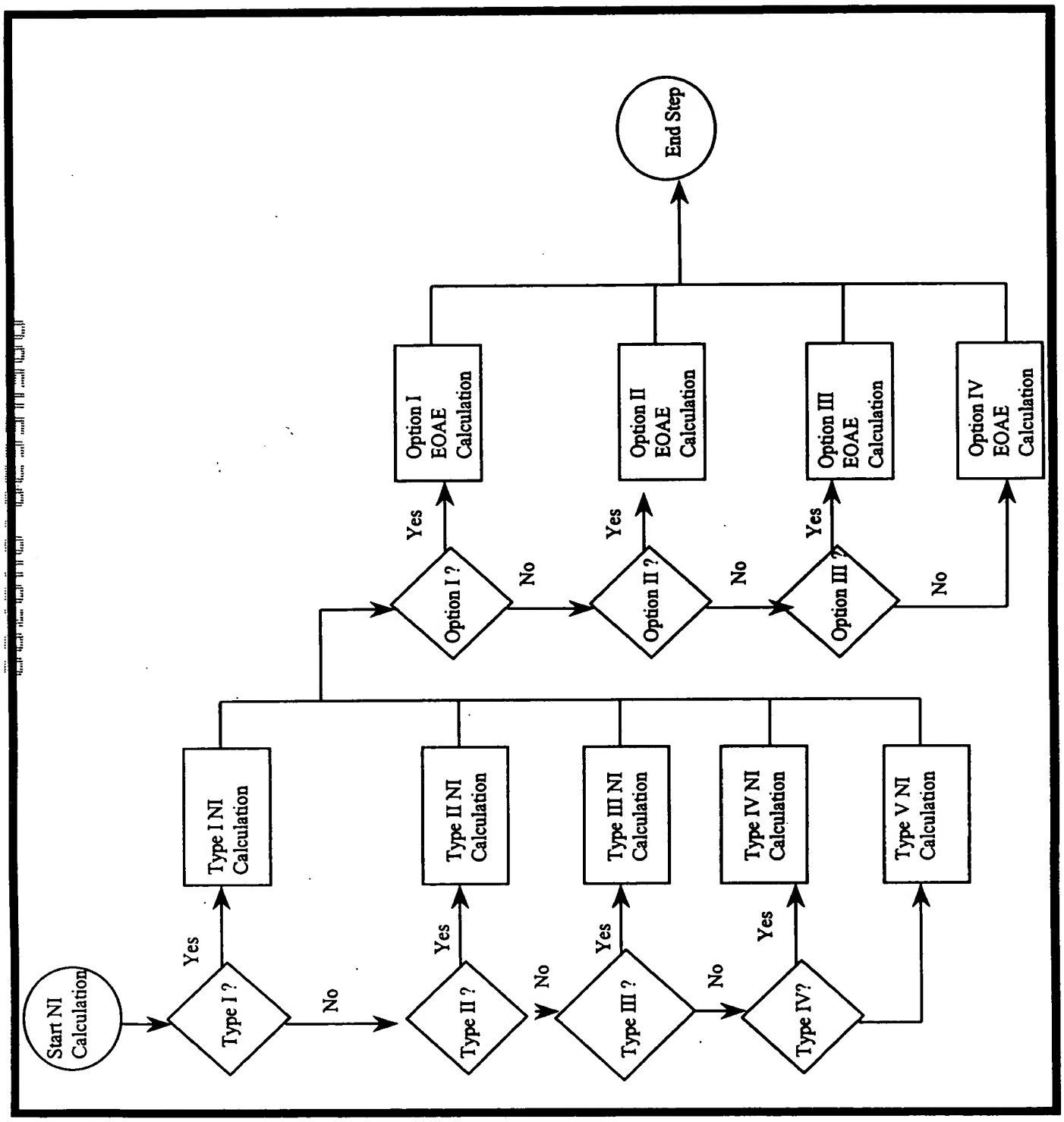
Start NI Calculation
Type I ?
Yes
No
Type I NI Calculation
Type II ?
Yes
No
Type II NI Calculation
Type III ?
Yes
No
Type III NI Calculation
Type IV?
Yes
No
Type IV NI Calculation
Type V NI Calculation
Option I ?
Yes
No
Option I EOAE Calculation
Option II ?
Yes
No
Option II EOAE Calculation
Option III ?
Yes
No
Option III EOAE Calculation
Option IV EOAE Calculation
End Step

Fig. 8

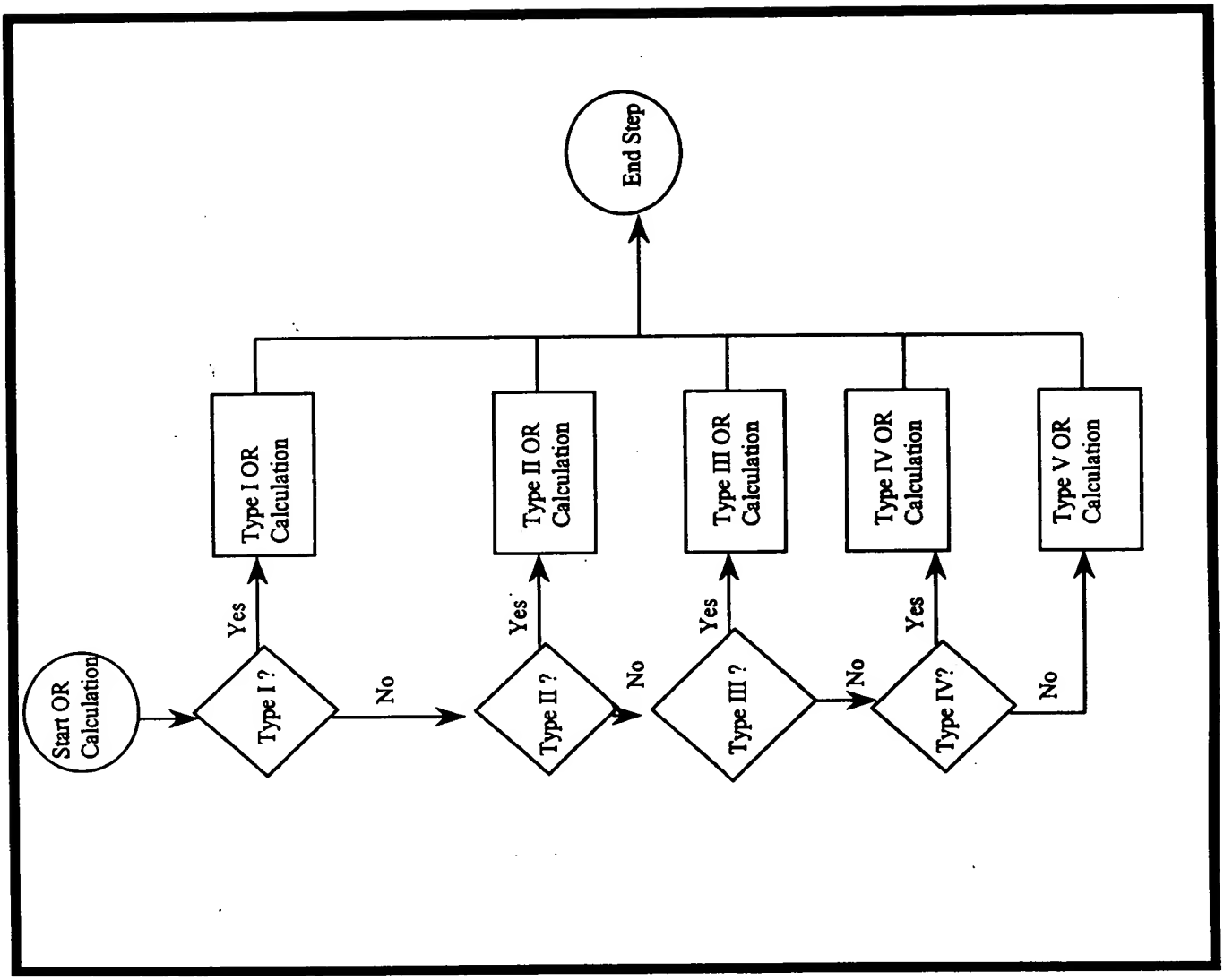
Start OR Calculation
Type I ?
Yes
No
Type I OR Calculation
Type II ?
Yes
No
Type II OR Calculation
Type III ?
Yes
No
Type III OR Calculation
Type IV?
Yes
No
Type IV OR Calculation
Type V OR Calculation
End Step

Fig. 9

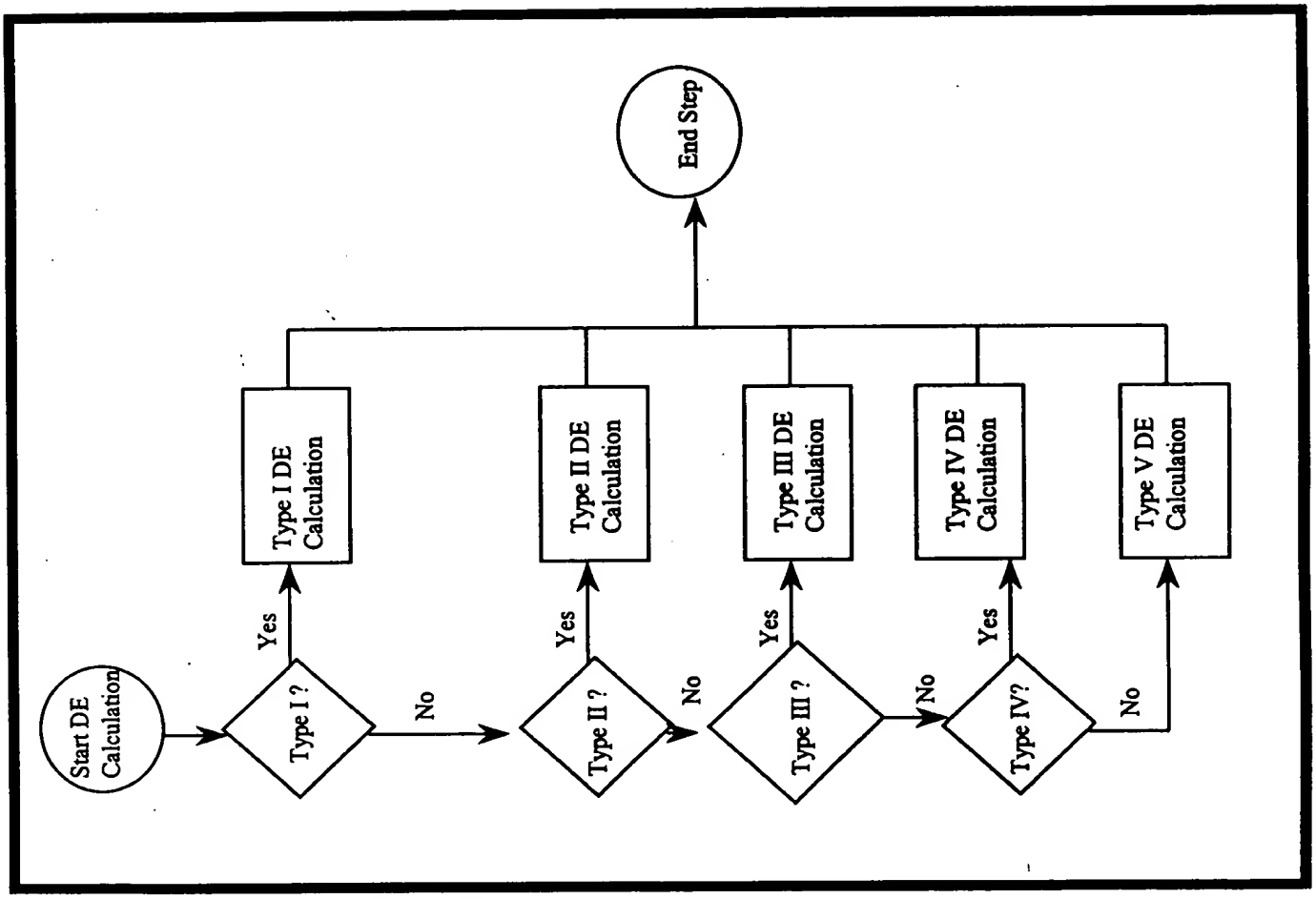
Start DE Calculation
Type I ?
Yes
No
Type I DE Calculation
Type II ?
Yes
No
Type II DE Calculation
Type III ?
Yes
No
Type III DE Calculation
Type IV?
Yes
No
Type IV DE Calculation
Type V DE Calculation
End Step

Fig. 10

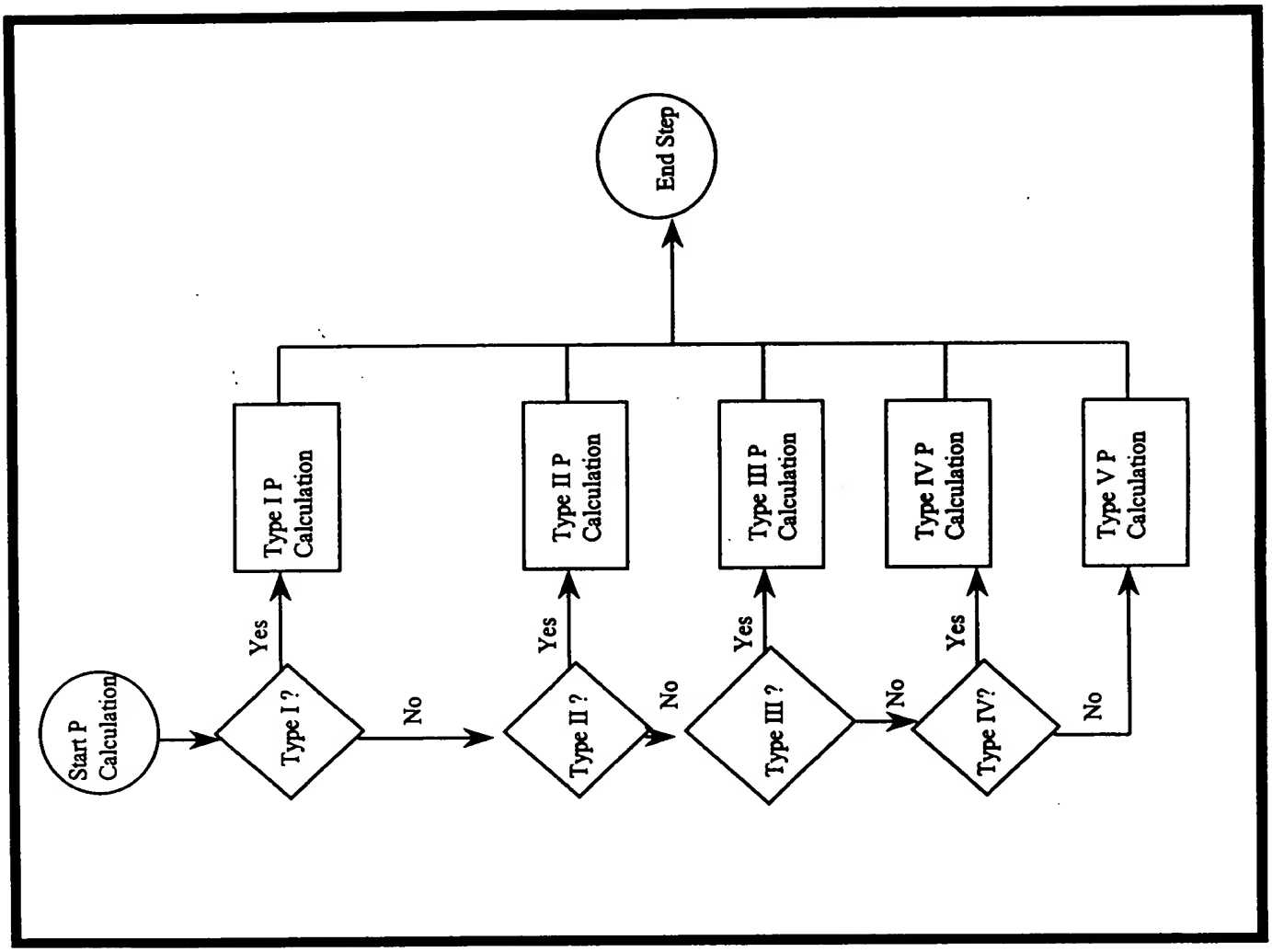
Start P Calculation
Type I ?
Yes
No
Type I P Calculation
Type II ?
Yes
No
Type II P Calculation
Type III ?
Yes
No
Type III P Calculation
Type IV?
Yes
No
Type IV P Calculation
Type V P Calculation
End Step

Fig. 11

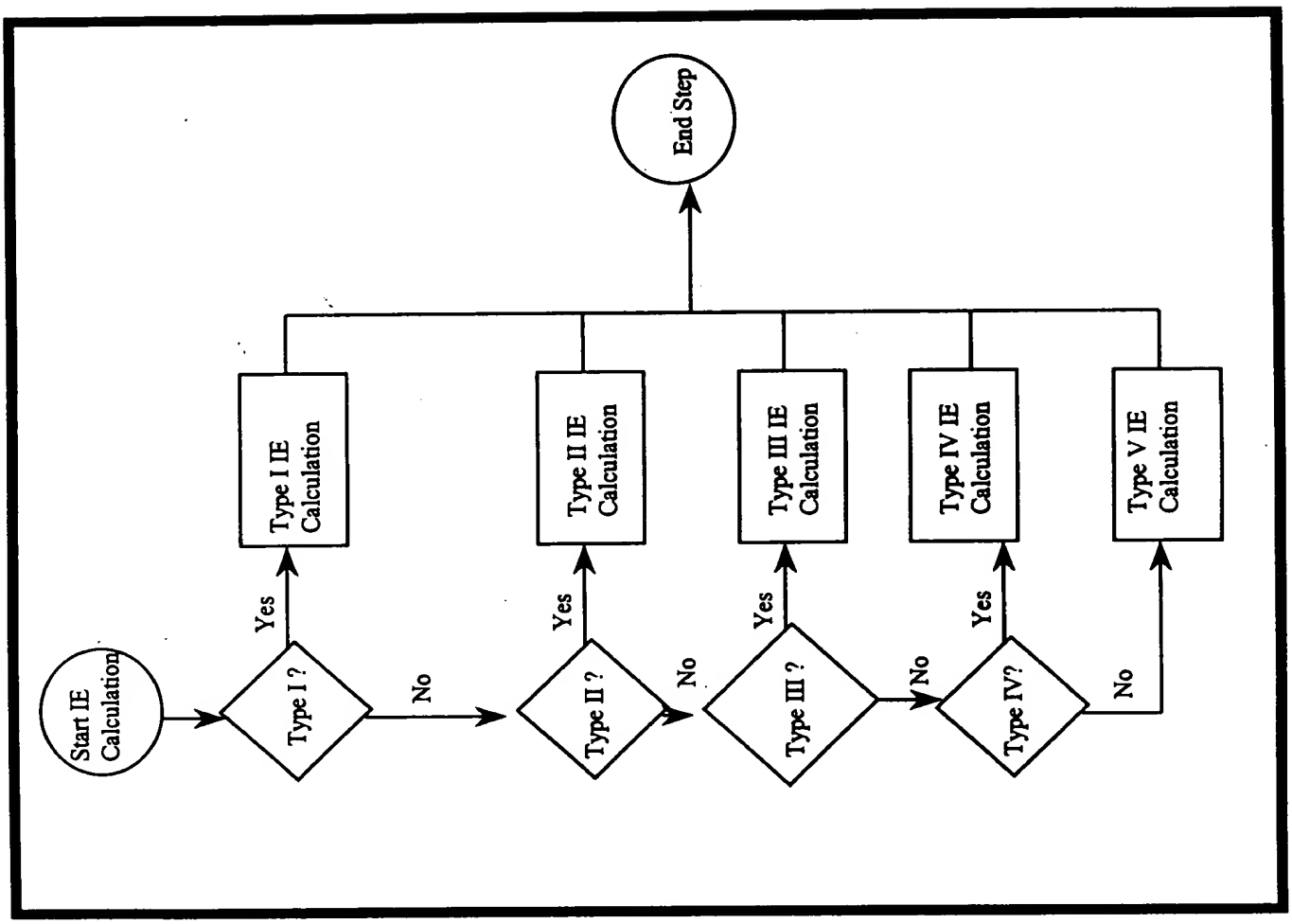
Start IE Calculation
Type I ?
Yes
No
Type I IE Calculation
Type II ?
Yes
No
Type II IE Calculation
Type III ?
Yes
No
Type III IE Calculation
Type IV?
Yes
No
Type IV IE Calculation
Type V IE Calculation
End Step

Fig. 12

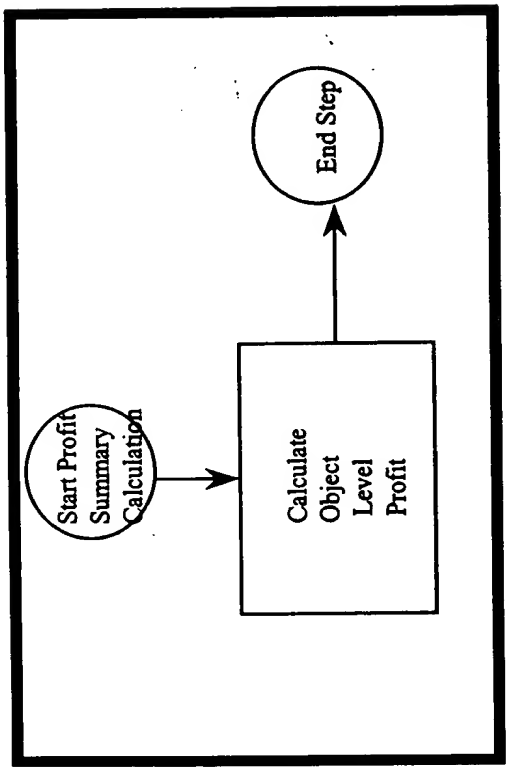
Start Profit Summary Calculation
Calculate Object Level Profit
End Step

Fig. 13

Airline Database Schema

Attributes ===>>>>

DPM Example

Entity

Plane	row_id	orig_bal	et_orig_ba	p_orig_b	mp_net_ba	to_last_12	rs_last_1	no_seats1	no_seats2	no_seats3	teg	...
	plane_id											

Flight	row_id	t_originatio	pt_landing	1st_fare	2nd_fare	3rd_fare	schd_hours	distance	lliance_re	ins_fac	risk_factor	...
	flt_id											

Customer	row_id	loyalty_rtng	ene_miles	or_score	alliance	...
	cust_id					

Employee	row_id	salary&be	...
	emp_id		

Financial	row_id	period_am	fin_name	period	type	...
	finan_id					

Transactions	row_id	trn_amt	seat	flt	date	type	...
	tran_id						

Treatment_rts	row_id	25_yr_rate	pool_rt	...
	treatment_id			

grouping tables:

emp_to_flt_dt	row_id	emp_id	flt_id

cust_to_tran	row_id	cust_id	tran_id

cust_to_seat	row_id	cust_id	seat_id	flt_id

plane_to_flight	row_id	plane_id	flt_id	date

loc_to_gnd_cst	row_id	loc_id	finan_id

Fig. 14